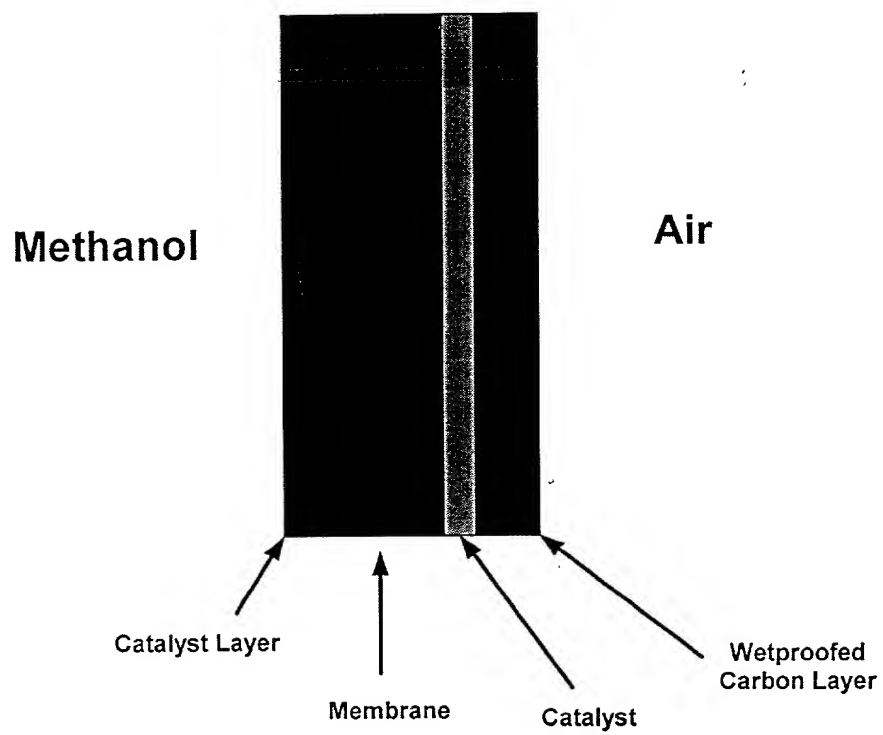
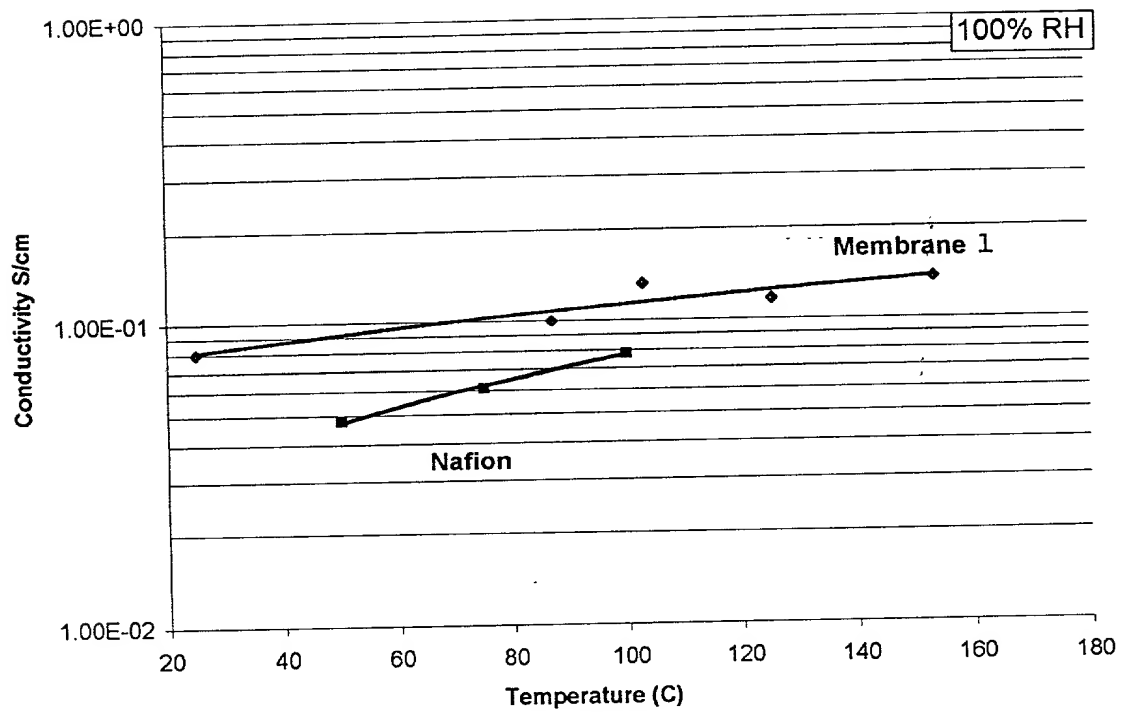


**FIG. 1**

FIG. 2

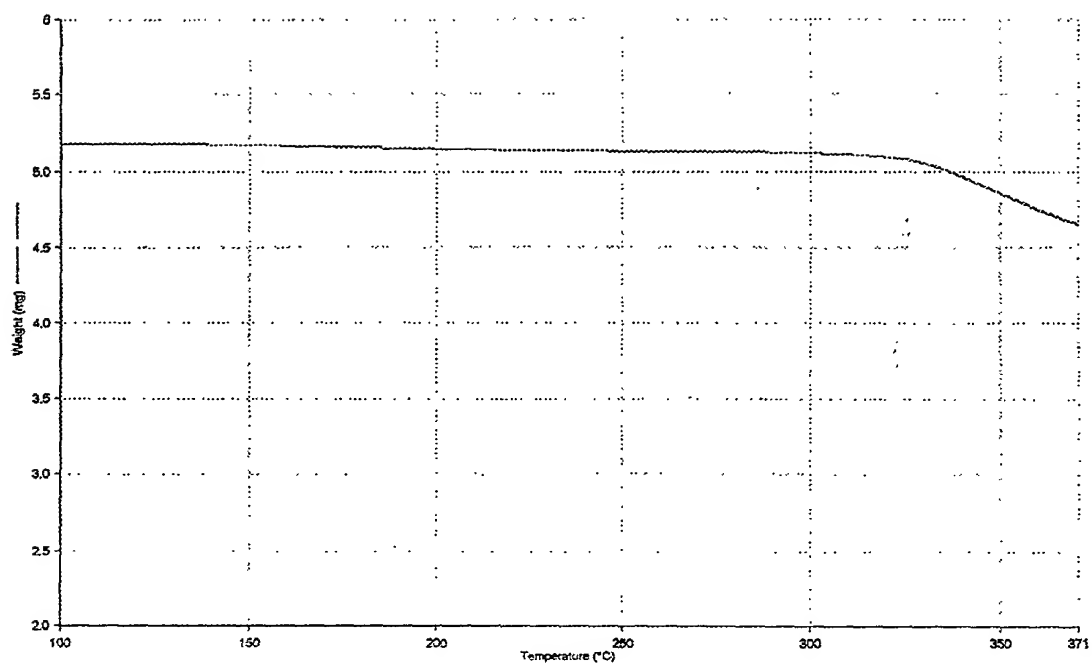


**FIG. 2**

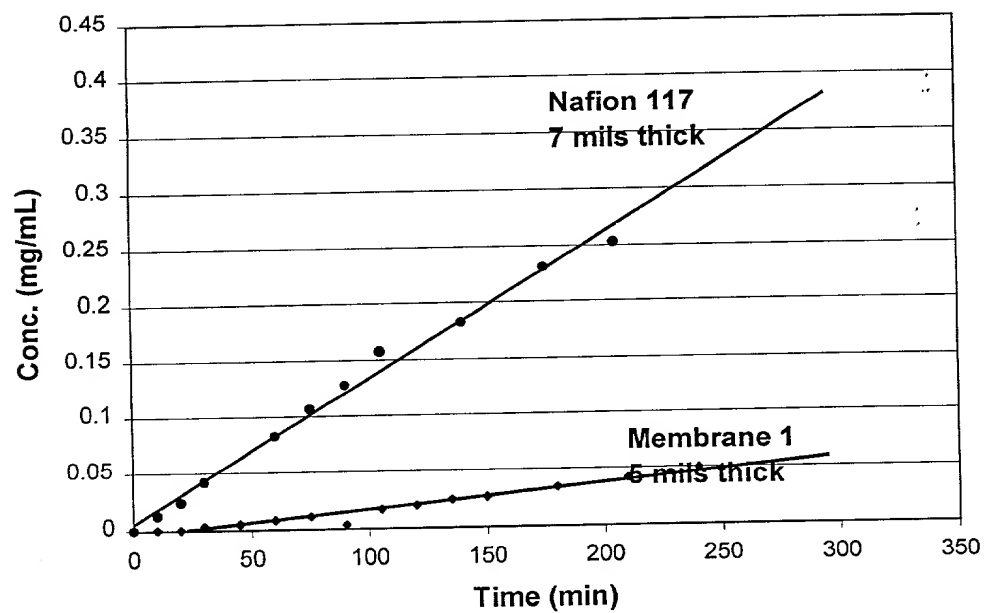


Membrane 1: 81.5% sPEEK; 15.5% PBI and 3% PAN

**FIG. 3**

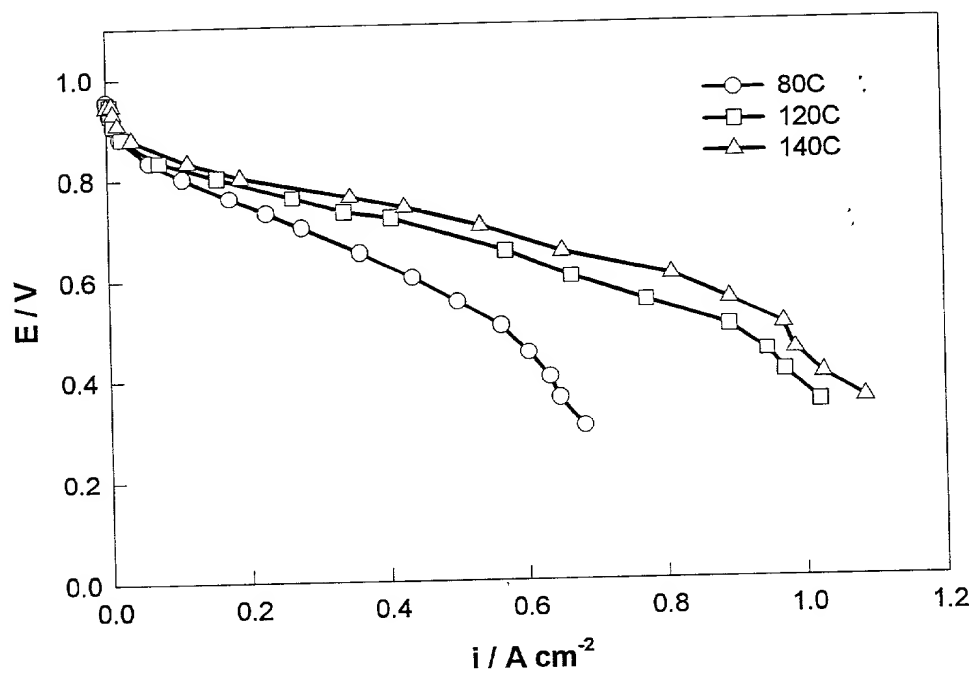


**FIG. 4**



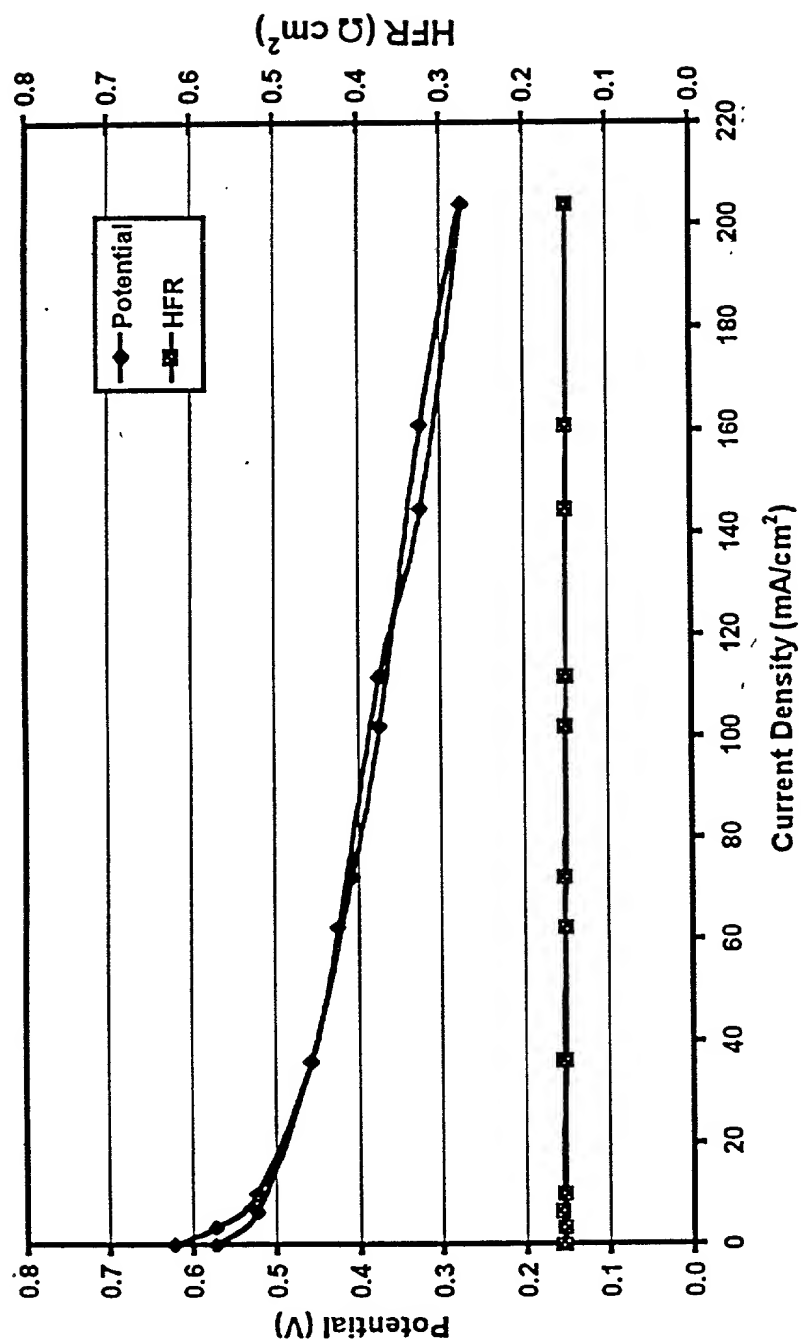
Membrane 1: SPEEK 75% PBI 20% , 5% PAN

**FIG. 5**



**FIG. 6**

### VIR curve, Membrane PF2-55-3 4M MeOH, Active Cell Hardware



**FIG. 7**